

# Series WTW-S-31 (IP67)



## The high gain dual axis auto tracking antenna.



The WTW LSC Tracking Antennas are developed in according to the latest technology to fulfil compactness, last technology, low weight and high efficiency.



This is possible with more than 35 years experienced personal in developing robust and long-lasting mechanics and excellent RF features.



### KEY FEATURES

- Weight: appr. 270 kg
- Dimension (Park Position El. 90°): appr. 5.1ft x 5.1ft x 8.4ft (WxDxH)
- Dimension (Transport Position El. 0°): appr. 5.1ft x 3.0ft x 8.8ft (WxDxH)
- Polarisation: RHCP und LHCP
- Gain: 30dBi @ 2350MHz
- Beamwidth: <math><5^\circ</math>
- Mode:
  - Auto-, Slave-, Manual-Tracking
- Nominal Torque:
  - Az. max. 1700 Nm
  - El. max. 1100 Nm
- Velocity:
  - Az. >20°/sec
  - El. >20°/sec
- Movement:
  - Az. unlimited (Slipping and Dual RF Rotary Joint)
  - El. -5° up to 90°
- Backlash: <math><1\text{ arcmin}</math>
- operational Wind speed: up to 65mph
- stowed: up to 100mph

**Mobile or fixed configuration possible!**



The WTW Anlagenbau GmbH is a premium manufacturer for telemetry antennas using the latest technology combined with ultimate performance for **Airplane, Helicopter, Missile and Rocket** test on **Land or Water**.

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Reflector Size	5.1ft x 5.1ft (W x H)
Frequency Range	2185 MHz to 2485 MHz
Gain	appr. 30 dBi @ 2350 MHz
Velocity Azimuth	>20°/sec
Velocity Elevation	>20°/sec
Acceleration Azimuth	40°/sec <sup>2</sup>
Acceleration Elevation	40°/sec <sup>2</sup>
Nominal Output Torque Azimuth and Elevation	1700 Nm and 1100 Nm
Elevation Travel	-5° to 90°
Azimuth Travel	unlimited
Power Requirement	appr. 1000 W
Temperature	-20°C to +50°C (incl. cooling)
Humidity	0 to 100%
Wind speed	Up to 65mph
Dimension in Park Position (WxDxH)	5.1ft x 5.1ft x 8.4ft

## Options

Radom  
Diesel Generator

### National / International Sales / Marketing:

#### Tel Data System GmbH

Phone: +49 (0) 81 21 – 41 01 18

Email: [telemetrie@wtw-anlagenbau.de](mailto:telemetrie@wtw-anlagenbau.de)



### US Sales / Marketing:

#### Rampart Defense Solutions LLC

Phone: +1 423.552.7064

Email: [Brenda@rampartds.com](mailto:Brenda@rampartds.com)



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